

This instruction will assume you have access to the web server, and able to access the back-end files.

==To create admin user==

python manage.py createsuperuser

Then enter the username, password and optionally email.

==To manage database==

After running server such as

python manage.py runserver

...

Enter <http://localhost:8000/api/admin>

This will be a direct database management interface for admin.

However, you will feel too exhausted to modify knowledge base tables data.

Alternately: You can use PostgreSQL's monitor page

==To modify knowledge base tables data==

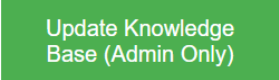
After running server such as

python manage.py runserver

...

Enter <http://localhost:8000>

Login using your superuser account you created!

Then scroll to the bottom (user section), click  button.

You will now see these 3 buttons here.



Admin Database Management

Data pH to NPK Push

Data Plants Push

Data Soil Types Push

Back

At the server's folder "*plant-soil-buddy\backend\api\kb*" contains the excel files keeping knowledge base data.

Each button handles different excel files:

Data pH to NPK Push

uses data from *pH-to-NPK.xlsx*

Data Plants Push

uses data from 3 excel files, *Moist-to-plant.xlsx*, *pH-to-plant.xlsx*, and *lifecycle-to-plant.xlsx* : This is the most complex one, the plants considerable for recommendation are the plants having all 3 data attributes from the 3 excel file (The plant's name is included once in all these 3 excel files using intersection, the latest record will be considered)

Data Soil Types Push

uses data from *Soil type to moist.xlsx*

==Debugging the results of plant recommendation based on life cycles==

After running server such as

python manage.py runserver

...

Enter <http://localhost:8000>





Login using your superuser account you created!




Then scroll to the bottom (user section), click  button.

Then scroll back up to the top, you will see these buttons.

Soil Data Record Management

Soil Profile :

[What is this?](#)

USE FOR TESTING ONLY!! EFFECTS ARE IRREVERSIBLE!

Annual Debug

sets all record of profile having frequency value as 0.1 minutes, and the recommendations are all annual plants.

Biennial Debug

sets all record of profile having frequency value as 30 minutes, and the recommendations are all biennial plants.

Perennial Debug

sets all record of profile having frequency value as 60 minutes, and the recommendations are all perennial plants.